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NOV 19 2004**FACSIMILE TRANSMISSION****TO:** United States Patent and Trademark Office **FROM:** Steven M. Mills
Examiner: Howard L. Williams
Group Art Unit: 2819**FAX NO:** (703) 872-9306 **DATE:** November 19, 2004**RE:** U.S. Patent Application
"Layout Method of a Comparator Array for Flash
Type Analog to Digital Converting Circuit," by Hee-Cheol Choi
U.S. Serial No.: 10/687,084
U.S. Filing Date: October 16, 2003
Our Reference: SAM-0485**NUMBER OF PAGES INCLUDING COVER SHEET: 21****REMARKS:**

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PATENT
Attorney Docket No.: SAM-0485
Customer No.: 29344

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Hee-Cheol Choi
Serial No.: 10/687,084
Filing Date: October 16, 2003
Title: LAYOUT METHOD OF A COMPARATOR ARRAY FOR FLASH TYPE ANALOG TO DIGITAL CONVERTING CIRCUIT

Examiner: Williams, Howard L.
Group Art Unit: 2819

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Chelsey Davis

Mail Stop RCE
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

TRANSMITTAL LETTER

Sir:

Enclosed herewith for filing in the above-identified patent application please find the following listed items:

1. Fee Transmittal for FY 2005;
2. Request for Continued Examination (RCE) Transmittal; and
3. Amendment.

In connection with the foregoing matter, please charge \$790.00 fee believed to be due, or any additional fees which may be due, or credit any overpayment, to Deposit Account Number 50-1798. A duplicate copy of this letter is provided for this purpose.

Respectfully submitted,



Steven M. Mills
Registration Number 36,610
Attorney for Applicants

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Steven M. Mills
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Attorney for Applicants

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Facsimile: (617) 742-7774
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PTO/SB/17 (10-04-02)

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FEET TRANSMITTAL for FY 2005

Effective 10/01/2004. Patent fees are subject to annual revision.

 Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT (\$ 790.00)

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FEE CALCULATION

1. BASIC FILING FEE

Large Entity	Fee Code (\$)	Fee	Fee Code (\$)	Fee Description	Fee Paid
1001	790	2001	395	Utility filing fee	
1002	350	2002	175	Design filing fee	
1003	550	2003	275	Plant filing fee	
1004	790	2004	395	Reissue filing fee	
1005	160	2005	80	Provisional filing fee	
SUBTOTAL (1) (\$)					

2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE

Total Claims	Extra Claims	Fee from below	Fee Paid
Independent Claims	-20 ^{**} =		
Multiple Dependent	- 3 ^{**} =		

Large Entity	Small Entity	Fee Description
1202	18	2202 9 Claims in excess of 20
1201	88	2201 44 Independent claims in excess of 3
1203	300	2203 150 Multiple dependent claim, if not paid
1204	88	2204 44 ** Reissue independent claims over original patent
1205	18	2205 9 ** Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)		

** or number previously paid, if greater; For Reissues, see above

Complete if Known	
Application Number	10/687,084
Filing Date	October 16, 2003
First Named Inventor	Hee-Cheol Choi
Examiner Name	Williams, Howard L.
Art Unit	2819
Attorney Docket No.	SAM-0485

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
1051	130	2051 65 Surcharge - late filing fee or oath	
1052	50	2052 25 Surcharge - late provisional filing fee or cover sheet	
1053	130	1053 130 Non-English specification	
1812	2,520	1812 2,520 For filing a request for ex parte reexamination	
1804	920*	1804 920* Requesting publication of SIR prior to Examiner action	
1805	1,840*	1805 1,840* Requesting publication of SIR after Examiner action	
1251	110	2251 55 Extension for reply within first month	
1252	430	2252 215 Extension for reply within second month	
1253	980	2253 490 Extension for reply within third month	
1254	1,530	2254 785 Extension for reply within fourth month	
1255	2,080	2255 1,040 Extension for reply within fifth month	
1401	340	2401 170 Notice of Appeal	
1402	340	2402 170 Filing a brief in support of an appeal	
1403	300	2403 150 Request for oral hearing	
1451	1,510	1451 1,510 Petition to institute a public use proceeding	
1462	110	2452 55 Petition to revive - unavoidable	
1453	1,370	2453 685 Petition to revive - unintentional	
1501	1,370	2601 685 Utility issue fee (or reissue)	
1502	490	2502 245 Design issue fee	
1503	860	2503 330 Plant issue fee	
1460	130	1460 130 Petitions to the Commissioner	
1807	50	1807 50 Processing fee under 37 CFR 1.17(q)	
1806	180	1808 180 Submission of Information Disclosure Stmt	
8021	40	8021 40 Recording each patent assignment per property (times number of properties)	
1809	790	2809 395 Filing a submission after final rejection (37 CFR 1.129(a))	
1810	790	2810 395 For each additional invention to be examined (37 CFR 1.129(b))	
1801	790	2801 395 Request for Continued Examination (RCE)	790.00
1802	800	1802 900 Request for expedited examination of a design application	
Other fee (specify)			
*Reduced by Basic Filing Fee Paid		SUBTOTAL (3) (\$)	790.00

SUBMITTED BY

Name (Print/Type)	Steven M. Mills	Registration No. (Attorney/Agent)	36,610	Telephone	617.994.4900
Signature				Date	

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This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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